PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application	of:)	
		:	Examiner: Unassigned
MOTOKAZU K	OBAYASHI ET AL.)	
		:	Group Art Unit: Unassigned
Application No.:	10/662,472)	
Tiled, Contourbon	16 2002	:	
Filed: September	16, 2003)	
For: PIEZOELI	ECTRIC ELEMENT, INK JET	,	
	•	,	
RECORD:	ING HEAD AND METHOD FOR	:	
MANUFA	CTURING PIEZOELECTRIC)	
ELEMEN'	Γ	:	November 14, 2003

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. A copy of each of the listed documents is enclosed.

The Examiner's attention is also directed to the following U.S. Application, a copy of which is enclosed:

Application Number	Inventor(s)	Filing Date	Group <u>Art Unit</u>	<u>Status</u>
09/584,485 Yoshiyuki Imanaka Sadayuki Sugama Ichiro Saito Hiroyuki Ishinaga Akihiro Yamanaka Masahiko Kubota		June 1, 2000	2853	Allowed

The article entitled "Lead Zirconate Titanate Films by Rapid Thermal Processing" is discussed at page 1 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open Nos. 9-92897, 10-139594, 10-290035 are discussed at page 3 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open No. 2000-79689 is discussed at pages 3 and 4 of the specification and may be relevant for the reasons discussed therein.

The Japanese dictionary of science <u>Rikagaku Jiten</u> is cited at page 11 of the specification and may be relevant for the reasons discussed therein. The English translation of the pertinent portions of the entries for "perovskite" and "perovskite structure" is as follows:

An ideal chemical composition is CaTiO₃ and in some cases it includes a rare earth element such as Ce³⁺ and Nb⁵⁺. It is a typical example of perovskite structure and has an ideal structure of a cubic system at high temperature.

EP 0 969 530 is a European counterpart to Japanese Patent Application Laid-Open No. 2000-79689.

Abstracts for Japanese Patent Application Laid-Open Nos. 9-92897, 10-139594, 10-290035 and 2000-79689, obtained from a commercial database, are enclosed for the Examiner's convenience.

FORMAL MATTERS

In accordance with 37 C.F.R. § 1.97(b), since this Information Disclosure

Statement is being filed within three months of the filing date of the subject application, neither a statement under 37 C.F.R. § 1.97(e) nor payment of a fee is required for consideration of this

Information Disclosure Statement.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

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FORM	PTO	1440	(modified

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO. 03500.017564

APPLICATION NO. **10/662,472**

APPLICANT

MOTOKAZU KOBAYASHI ET AL.

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

FILING DATE

GROUP

November 14, 2003		September 16, 2003		GROUP Unassigned		
	110001114, 2005		U.S. PATENT DOCUMENTS	<u> </u>		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,315,853 B1	11/2001	Kubota et al.			
	6,402,302 B1	06/2002	Ozaki et al.			
					-	
	<u> </u>	FC	DREIGN PATENT DOCUMENTS]1	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	JP 9-92897	04/1997	Japan			Abstract
	JP 10-139594	05/1998	Japan			Abstract
	JP 10-290035	10/1998	Japan			Abstract
	EP 0 969 530	01/2000	ЕРО			In English
	JP 2000-79689	03/2000	Japan			Abstract*
	OT	HER DOCUMENT(S	(Including Author, Title, Date, Pertinent Pages, I	Etc.)		
	Kumar, C., et al., "Le Vol. 58, No. 11, Marc		tanate Films by Rapid Thermal Pro	ocessing," <u>A</u> [plied Phy	sics Letters,
	Rikagaku Jiten (Diction	onary of Science	e), 5 th Ed. (Iwanami Shoten Co., pu	blisher), 1998	3, p. 1268.	
Note: Englisl	h-language counterpart EF	0 969 530 also s	submitted herewith.			
XAMINER			DATE CONSIDERED			-

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.

Sheet 1 of 1

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